

Heli Austria - Ship ASAP.

Work Order ID 149926

149926

Page 1

Item ID: D212-803-215

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Left Hand Pilot in Command - Medium/Standard Design, Complete 212/412

Start Date: 8/15/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/31/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

SLA

Date: AUG 15 2016

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start

NR1

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI9728	A								
IIN-D212-803	D								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy blue file and type labels per PPP D212-803-215 CHG001								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									

DAS
6
9-89

AUG 17 2016

DAS
21
9-89

10-08-17

DAS
28
9-89

NOV 15 2016

Dr

Dr

AUG 17 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
1				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Work Order ID 149926***149926***

Page 2

Item ID: D212-803-215

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Left Hand Pilot in Command - Medium/Standard Design, Complete 212/412

Start Date: 8/15/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 8/31/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00				DAS 28 9-89		NOV 15 2016	
Quality Control									
130		0.00							
130									
Packaging	Packaging					DAS 28 9-89	DAS 27 9-89	NOV 15 2016	
Packaging	Memo	0.00							
	Identify and pack for shipping as per PPP D212-803-215								
	Location: _____								
	PPP Rev: <u>sold</u>								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00				DAS 21 9-89		NOV 15 2016	
Quality Control							DAS 21 9-89	NOV 15 2016	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
1				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

August 12, 2016 3:50:27 PM

Page 1

Work Order ID: 149926

149926

Parent Item: D212-803-215

D212-803-215

Parent Item Name: Left Hand Pilot in Command - Medium/Standard Design, Complete 212/412

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 15.07.03 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D5155-043 *D5155-043* Co-Pilot Collective Head Assembly (212)		Manufactured	No				Each	5.0000	**	1		PC	DAS 6 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST373				5					
				146050				5		1			
D5156-5 *D5156-5* Face Plate		Manufactured	No				Each	7.0000	**	1		PC	DAS 6 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST155				7					
				145840				7		1			
D5156-7 *D5156-7* Face Plate		Manufactured	No				Each	2.0000	**	1		PC	DAS 6 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST155				2					
				134708				2		1			
MS171599 *MS171599* Pin		Purchased	No				Each	17.0000	**	1		PC	DAS 6 9-89
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				Return2015				1					
				m123183				1					
				ST315				16					
				m134573				16		1			

AUG 17 2016

Picklist Print

August 12, 2016 3:50:27 PM

Page 2

Work Order ID: 149926

149926

Parent Item: D212-803-215

D212-803-215

Parent Item Name: Left Hand Pilot in Command - Medium/Standard Design, Complete 212/412

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

D5055-3

Manufactured No

Each

4.0000

D5055-3

Placard

DAS
28
9-89

Location

Loc Qty

Loc Code

ST146

4

145260

4

5/17/2017

**

1

PK

DAS
6
9-89

D5055-5

Manufactured No

Each

6.0000

D5055-5

Placard

DAS
28
9-89

Location

Loc Qty

Loc Code

ST146

6

148153

6

7/4/2017

**

1

PK

DAS
6
9-89

D5055-7

Manufactured No

Each

6.0000

D5055-7

Placard

DAS
28
9-89

Location

Loc Qty

Loc Code

ST146

6

148206

6

7/4/2017

**

1

PK

DAS
6
9-89

D5055-9

Manufactured No

Each

6.0000

D5055-9

Placard

DAS
28
9-89

Location

Loc Qty

Loc Code

ST146

6

148157

6

7/4/2017

**

1

PK

DAS
6
9-89

AUG 17 2016

Picklist Print

August 12, 2016 3:50:27 PM

Page 3

Work Order ID: 149926

149926

Parent Item: D212-803-215

D212-803-215

Parent Item Name: Left Hand Pilot in Command - Medium/Standard Design, Complete 212/412

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

D4411-7

Manufactured No

Each

4.0000

D4411-7

Placard

**

1

PC

DAS
6
9-89

DAS
3
9-89

Location

Loc Qty

Loc Code

Return2016

1

132770

1

ST096

3

144495

3

27ET51-T

Purchased No

Each

3.0000

27ET51-T

Switch

**

1

PC

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST580

3

m134599

3

30-037-26

Purchased No

Each

12.0000

30-037-26

Diode Assembly

**

3

PC

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST580

12

m135096

6

m135132

6

30-037-3

Purchased No

Each

7.0000

30-037-3

Diode Assembly

**

2

PC

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST580

7

m135096

7

2

AUG 17 2016

Picklist Print

August 12, 2016 3:50:27 PM

Page 4

Work Order ID: 149926

149926

Parent Item: D212-803-215

D212-803-215

Parent Item Name: Left Hand Pilot in Command - Medium/Standard Design, Complete 212/412

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

AN961-6T NAS1149F0463P Purchased No

Each 123.0000

AN961-6T

Washer

**

3

PC

DAS
6
9-89

Location

Loc Qty

Loc Code

ST321

123

123314

123

Each

2.0000

**

1

PC

DAS
6
9-89

51MXY-5-J Purchased No

51MXY-5-J

Switch

Location

Loc Qty

Loc Code

ST583

2

m135096

2

Each

82.0000

**

1

PC

DAS
6
9-89

M39029/31-240 Purchased No

M39029/31-240

Pin

Location

Loc Qty

Loc Code

ST565

82

m134386

82

Each

85.0000

**

21

PC

DAS
6
9-89

M39029/32-259 Purchased No

M39029/32-259

Socket

Location

Loc Qty

Loc Code

ST565

85

m134386

85

Each

16.0000

**

2

PC

DAS
6
9-89

M39029/31-228 Purchased No

M39029/31-228

Pin

Location

Loc Qty

Loc Code

ST565

16

M127949

16

2

AUG 17 2016

August 12, 2016 3:50:27 PM

Shop Packet Print

Page 4

Picklist Print

August 12, 2016 3:50:27 PM

Page 5

Work Order ID: 149926

149926

Parent Item: D212-803-215

D212-803-215

Parent Item Name: Left Hand Pilot in Command - Medium/Standard Design, Complete 212/412

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

M39029/32-247

Purchased

No

Each

18.0000

2

M39029/32-247

**

Socket

DAS
28
9-89

Location

Loc Qty

Loc Code

ST565

18

M134575

18

MS21042L06

Purchased

No

Each

159.0000

MS21042L06

**

Nut

DAS
28
9-89

Location

Loc Qty

Loc Code

ST303

159

m134962

9

m135046

100

m135274

50

MS21042L3

Purchased

No

Each

2,009.000

1

MS21042L3

**

Nut

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

14

m133790

14

GA

535

m134360

112

m135135

423

OVER007

600

m135407

600

ST303

860

m134039

12

m135056

148

m135135

700

AUG 17 2016

Picklist Print

August 12, 2016 3:50:27 PM

Page 6

Work Order ID: 149926

149926

Parent Item: D212-803-215

D212-803-215

Parent Item Name: Left Hand Pilot in Command - Medium/Standard Design, Complete 212/412

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

MS21044N04

Purchased

No

Each

17.0000

MS21044N04

Nut

DAS
28
9-89

Location

Loc Qty

Loc Code

Return2015

2

m125445

2

ST302

15

m132677

15

Each

13.0000

MS21919WDG10

Purchased

No

MS21919WDG10

Clamp

DAS
28
9-89

Location

Loc Qty

Loc Code

ST293

13

m128993

13

Each

11.0000

MS21919WDG19

Purchased

No

MS21919WDG19

Clamp

DAS
28
9-89

Location

Loc Qty

Loc Code

ST291

1

m133988

1

ST292

10

m135133

10

Each

5.0000

MS24523-27

Purchased

No

MS24523-27

Switch

DAS
28
9-89

Location

Loc Qty

Loc Code

ST290

5

m135055

5

AUG 17 2016

August 12, 2016 3:50:27 PM

Shop Packet Print

Page 6

Picklist Print

August 12, 2016 3:50:27 PM

Page 7

Work Order ID: 149926

149926

Parent Item: D212-803-215

D212-803-215

Parent Item Name: Left Hand Pilot in Command - Medium/Standard Design, Complete 212/412

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

MS24693-S7

Purchased No

Each 70.0000

MS24693-S7

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST287

70

m129278

70

Each

152.0000

MS24693-24B

Purchased No

MS24693-24B

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

140

m134676

140

ST288

12

m132256

12

Each

330.0000

MS27039-1-07

Purchased No

MS27039-1-07

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

270

125654

270

Return2016

1

m127813

1

ST281

59

m135015

59

Each

9.0000

MS27212-1-3

Purchased No

MS27212-1-3

Terminal Board

DAS
28
9-89

Location

Loc Qty

Loc Code

ST275

9

m135101

9

AUG 17 2016

August 12, 2016 3:50:27 PM

Shop Packet Print

Page 7

Picklist Print

August 12, 2016 3:50:27 PM

Page 8

Work Order ID: 149926

149926

Parent Item: D212-803-215

D212-803-215

Parent Item Name: Left Hand Pilot in Command - Medium/Standard Design, Complete 212/412

Start Date: 8/15/2016

Required Date: 8/31/2016

Start Qty: 1.00

Required Qty: 1.00

MS3126E16-99P

Purchased

No

Each

8.0000

2

MS3126F16-99P

Socket

DAS
28
9-89

**

PC

DAS
6
9-89

Location

Loc Qty

Loc Code

ST272

8

m134630

8

0.0000

1

MS3120E16-99S

Purchased

No

Each

**

1

MS3120F16-99S

Socket

DAS
28
9-89

1

DAS
6
9-89

Location

Loc Qty

Loc Code

ST272

6

m135055

6

1,767.000

2

NAS1149D0363J

Purchased

No

Each

**

2

NAS1149D0363J

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

386

m134055

386

ST263

1381

m134955

381

m135297

1000

2

AUG 17 2016

August 12, 2016 3:50:27 PM

Shop Packet Print

Page 8

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D212-803 REV. D AND INSTRUCTIONS
FOR CONTINUED AIRWORTHINESS ICA-D212-803 REV. 3 OR LATER APPROVED REVISION
REF. FAA STC: SR02233SE

1.0 PURPOSE

The purpose of the DSI is to amend the installation of the D4410-041/-043/-045 Co-Pilot Collective Head Assembly and the D5046-041/-043/-045 Co-Pilot Collective Head Assembly on the Collective Stick of the Bell 205/212/412 model aircraft for DXXX-803-0XX at CHG 003 and later and the DXXX-803-1XX at CHG 002 and later.

2.0 PROCEDURE

2.1 To install DXXXX-041/-043/-045 Co-Pilot Collective Head Assembly onto Collective Stick Assembly (Bell p/n 205-001-117-1 for 205, Bell p/n 212-001-117-1 for 212/412 and Bell p/n 212-001-171-001 for Eagle Single), position the Head Assembly on the Collective Stick Assembly so that it is angled away from the door and does not contact the pilot's leg. Transfer drill the mounting hole on the Collective Stick Assembly to the desired location on the neck of the DXXXX-041/-043/-045 Collective Head.

2.2 To adjust the position of the DXXXX-041/-043/-045 Collective Head Assembly, it is acceptable to remove $\frac{1}{2}$ " to $\frac{3}{4}$ " off of the neck as desired.

2.3 Wet the Collective Head Assembly with Proseal 890 or equivalent and mount using Pin (p/n MS171539 on DXXXX-041 Collective Head or p/n MS171599 on DXXXX-043/-045 Collective Head) per Figure 1. Apply Aircraft Primer to Pin.

3.0 WEIGHT AND BALANCE

Aircraft Weight and Balance are not affected by this change.

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WITHOUT NOTICE
WORK ORDER
NO. 149926
SA

AUG 15 2016

A	NEW ISSUE	VS	15.06.24
REV.	DESCRIPTION	BY	DATE
DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9728	SHEET 1 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	SA	LH PIC INSTALLATION	NTS
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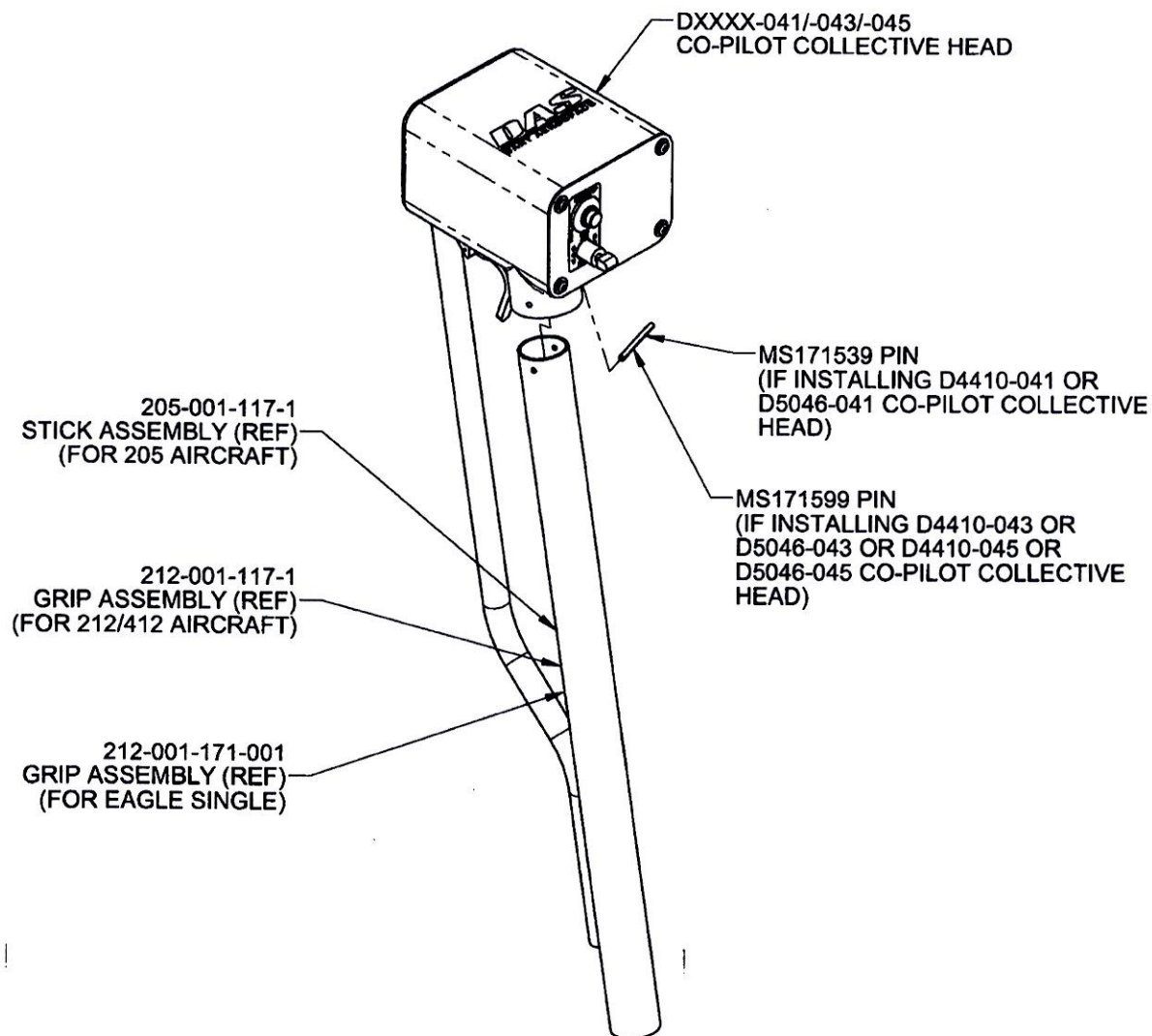


FIGURE 1 - Co-Pilot Collective Head Installation
D4410-041 SHOWN D4410-043/-045 AND D5046-041/-043/-045 SIMILAR)

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9728	SHEET 2 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	LH PIC INSTALLATION	NTS
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4.0 PARTS LISTS

Amend Parts Lists for the following kits per tables below.

4.1 Large Collective Head Kits

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Part Number	Description
X					D205-803-011	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
	X				D205-803-013	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
		X			D212-803-015	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
			X		D212-803-017	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
				X	D212-803-019	LEFT HAND PILOT IN COMMAND, EAGLE SINGLE
1	1				MS171539	PIN
					MS171599	PIN

4.2 Small Collective Head Kits

Qty -111	Qty -113	Qty -115	Qty -117	Qty -119	Part Number	Description
X					D205-803-111	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
	X				D205-803-113	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
		X			D212-803-115	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
			X		D212-803-117	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
				X	D212-803-119	LEFT HAND PILOT IN COMMAND, EAGLE SINGLE
1	1				MS171539	PIN
					MS171599	PIN

4.3 Medium Collective Head Kits

Qty -211	Qty -213	Qty -215	Qty -217	Qty -219	Part Number	Description
X					D205-802-211	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
	X				D205-803-213	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
		X			D212-803-215	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
			X		D212-803-217	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
				X	D212-803-219	LEFT HAND PILOT IN COMMAND, EAGLE SINGLE
1	1				MS171539	PIN
					MS171599	PIN

DESIGN	VS	DART AEROSPACE LTD
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA
CHECKED	HS	DRAWING NO.
MFG. APPR.	N/A	DSI 9728
APPROVED	HS	TITLE
DE APPR.		LH PIC INSTALLATION
DATE	15.06.24	COPYRIGHT © 2016 BY DART AEROSPACE LTD.

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REV. A
SHEET 3 OF 3
SCALE
NTS

Cc: David Shepherd <dshepherd@dartaero.com>; William Monterroza <wmonterroza@dartaero.com>; Chantal Lavoie <clavoie@dartaero.com>

Subject: RE: Newark/element14 Quote # 29736413

Linda,

The Amphenol PT06SE-16-99P is an acceptable alternate for the MS3126E16-99P connector

Andrew Hill | Aircraft Certification Manager - Engineering



823 McTavish Rd NE, Calgary, AB T2E 7G9 Canada

Phone: 403.250.7370 ext 409 | Fax: 403.250.7110

Email: ahill@eaglecopters.com | www.eaglecopters.com

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From: Harvey Siemens

Sent: April-12-16 9:25 AM

To: Andrew Hill <ahill@eaglecopters.com>

Subject: FW: Newark/element14 Quote # 29736413

Importance: High

Would these be the right alternate numbers?

HS

From: Linda Lacelle

Sent: April-12-16 8:31 AM

To: Harvey Siemens <hsiemens@dartaero.com>

Cc: David Shepherd <dshepherd@dartaero.com>; William Monterroza <wmonterroza@dartaero.com>; Chantal Lavoie <clavoie@dartaero.com>

Subject: FW: Newark/element14 Quote # 29736413

Importance: High

Good Morning,

The MS3126E16-99P's have been put on ship stop (see attached). We use these in 3 of the LH PIC's and have 3 sold for April 26 (2 per kit). They are suggesting the alternate PT06SE-16-99P. we found some, but need an ok from someone in engineering to use these. Can someone please let us know?

Thx

Linda

From: Chantal Lavoie

Sent: Monday, April 11, 2016 1:29 PM

To: Linda Lacelle <llacelle@dartaero.com>

Subject: FW: Newark/element14 Quote # 29736413

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
		OTHER : ☐							

From: Consolo, Lisa [<mailto:LConsolo@Newark.com>]
Sent: Monday, April 11, 2016 1:23 PM
To: Chantal Lavoie <clavoie@dartaero.com>
Subject: Newark/element14 Quote # 29736413

Newark/element14 Quote # 29736413 Version # 1
(Please reference this number when placing your order)

Quote placed on: 04-07-2016
Prices valid through: 05-07-2016

Bill to: Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury, ON K6A 1K7	Ship to: Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury, ON K6A 1K7
--	--

Contact Name: Chantal Lavoie
Contact Phone: 6136325200

Line	SKU	Manufacturer's Part	UOM	Qty	Price	Ext Price
1.1	34K0169	PT06SE16-99P	EA/1	6	\$124.10	\$744.60

Requested Part # PT06SE16-99P
Description: CIRCULAR CONNECTOR PLUG SIZE 16, 23 POSITION, CABLE; Product
Range:PT-SE Series, MIL-DTL-26482 Series I Equivalent; Circular
Connector Shell Style:Straight Plug; No. of Contacts:23; Circular
Contact Type:Crimp Pin; Insert Rotation:N
Manufacturer's Brand: AMPHENOL INDUSTRIAL
Minimum/Multiple Order Quantity: 1/1
On Hand Inventory: 0
Expected Ship Quantity: 6 , Expected Ship Date: 08/29/16 **
Estimated lead time 138 days when no stock.
RoHS compliant?:
SPECIAL ORDER ITEM -- NON-CANCELABLE AND NON-RETURNABLE

Sub Total: \$744.60***

- * Stock availability subject to change
- ** All ship dates are estimated
- *** Currency: CND
- *** Does not include tax or freight charges

Your #1 source for RoHS compliant products & information.

DQA: _____ Date: _____

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QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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OTHER : ☐									

To place this order, get additional quotes or if you have any questions, we are here for you.

Phone: 1-800-463-9275 || Website: <http://canada.newark.com/>

Terms & Conditions:

<http://canada.newark.com/terms-and-conditions>

We look forward to your business.

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DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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		OTHER : ☐							

Lori Morris

From: Lori Morris
Sent: Tuesday, November 08, 2016 7:55 AM
To: Lori Morris
Subject: FW: Newark/element14 Quote # 29736413

From: Andrew Hill
Sent: Monday, November 07, 2016 2:54 PM
To: Linda Lacelle <llacelle@dartaero.com>; Harvey Siemens <hsiemens@dartaero.com>; Patrick Smith <psmith@dartaero.com>
Cc: David Shepherd <dshepherd@dartaero.com>; William Monterroza <wmonterroza@dartaero.com>; Chantal Lavoie <clavoie@dartaero.com>
Subject: RE: Newark/element14 Quote # 29736413

Linda,

The Amphenol PT00SE-16-99P is an acceptable alternate for the MS3120E16-99P connector.

Andrew Hill | Aircraft Certification Manager - Engineering



823 McTavish Rd NE, Calgary, AB T2E 7G9 Canada
 Phone: 403.250.7370 ext 409 | Fax: 403.250.7110
 Email: ahill@eaglecopters.com | www.eaglecopters.com

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From: Linda Lacelle
Sent: November-07-16 9:44 AM
To: Andrew Hill <ahill@eaglecopters.com>; Harvey Siemens <hsiemens@dartaero.com>; Patrick Smith <psmith@dartaero.com>
Cc: David Shepherd <dshepherd@dartaero.com>; William Monterroza <wmonterroza@dartaero.com>; Chantal Lavoie <clavoie@dartaero.com>
Subject: RE: Newark/element14 Quote # 29736413
Importance: High

Hello all,
 The commercial equivalent PT00SE-16-99S have been released for the LH PIC issue (MS3120E16-99S), are these also acceptable??
 Thx <http://www.amphenol-aerospace.com/pdf/12-070.pdf> - see pg 30

Linda

From: Andrew Hill
Sent: Tuesday, April 12, 2016 2:57 PM
To: Harvey Siemens <hsiemens@dartaero.com>; Linda Lacelle <llacelle@dartaero.com>

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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		OTHER : ☐							

7. PARTS LIST - MEDIUM COLLECTIVE HEAD KITS

Qty -211	Qty -213	Qty -215	Qty -217	Qty -219	Qty -221	Qty -223	Part Number	Description
X							D205-803-211	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
	X						D205-803-213	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
		X					D212-803-215	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
			X				D212-803-217	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
				X			D212-803-219	LEFT HAND PILOT IN COMMAND, EAGLE SINGLE
					X		D205-803-221	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
						X	D205-803-223	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
1	1						D5155-041	CO-PILOT COLLECTIVE HEAD ASSEMBLY (205)
		1	1				D5155-043	CO-PILOT COLLECTIVE HEAD ASSEMBLY (212)
				1			D5155-045	CO-PILOT COLLECTIVE HEAD ASSEMBLY (EAGLE SINGLE)
					1	1	D5155-047	CO-PILOT COLLECTIVE HEAD ASSEMBLY (205 WITH THE 204-001-290-5 STICK AND THROTTLE ASSY INSTALLED)
1	1			1	1	1	D5156-1	FACE PLATE
1	1			1	1	1	D5156-3	FACE PLATE
		1	1				D5156-5	FACE PLATE
		1	1				D5156-7	FACE PLATE
1	1			1	1	1	D4410-9	TRIGGER
1	1			1	1	1	D5055-1	PLACARD
1	1	1	1	1	1	1	D5055-3	PLACARD
		1	1				D5055-5	PLACARD
		1	1				D5055-7	PLACARD
		1	1				D5055-9	PLACARD
1	1	1	1	1			D4411-7	PLACARD
		1					27ET51-T	SWITCH (ALT P/N 212-075-153-3)
1					1		2PB744-T2	SWITCH
		3					30-037-26	DIODE ASSEMBLY
		2					30-037-3	DIODE ASSEMBLY
1	1			1	1	1	AN565F8H9	SETSCREW
		3					AN961-6T	WASHER
		1					51MXY-5-J	SWITCH
1					1		C100E2-39	SWITCH
17		AR (21)			17		M39029/31-240	PIN
17		AR (21)			17		M39029/32-259	SOCKET
		AR (2)					M39029/31-228	PIN
		AR (2)					M39029/32-247	SOCKET
1	1			1	1	1	MS20253-1-065	PIN
		3					MS21042L06	NUT
1	1			1	1	1	MS21042L08	NUT
1	1	1	1	1	1	1	MS21042L3	NUT
		2					MS21044N04	NUT
1	1	1	1	1			MS21919WDG10	CLAMP
		1	1	1			MS21919WDG19	CLAMP
1	1						MS21919WDG20	CLAMP
		1					MS24523-27	SWITCH
		2					MS24693-S7	SCREW
4	4	4	4	4	4	4	MS24693-24B	SCREW
1	1	1	1	1	1	1	MS27039-1-07	SCREW
		1					MS27212-1-3	TERMINAL BOARD
1					1		MS3126E14-19P	PLUG
1					1		MS3120E14-19S	SOCKET
		2					MS3126E16-99P	PLUG
		1					MS3120E16-99S	SOCKET
		3					MS3373-A1	STRIP
2	2	2	2	2			NAS1149D0363J	WASHER
					2	2	MS24665-289	COTTER PIN
1	1	1	1	1	1	1	D212-803	KIT PAPERWORK

4.0 PARTS LISTS

REFERENCE ONLY

Amend Parts Lists for the following kits per tables below.

4.1 Large Collective Head Kits

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Part Number	Description
X					D205-803-011	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
	X				D205-803-013	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
		X			D212-803-015	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
			X		D212-803-017	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
				X	D212-803-019	LEFT HAND PILOT IN COMMAND, EAGLE SINGLE
1	1				MS171539	PIN
		1	1	1	MS171599	PIN

4.2 Small Collective Head Kits

Qty -111	Qty -113	Qty -115	Qty -117	Qty -119	Part Number	Description
X					D205-803-111	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
	X				D205-803-113	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
		X			D212-803-115	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
			X		D212-803-117	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
				X	D212-803-119	LEFT HAND PILOT IN COMMAND, EAGLE SINGLE
1	1				MS171539	PIN
		1	1	1	MS171599	PIN

4.3 Medium Collective Head Kits

Qty -211	Qty -213	Qty -215	Qty -217	Qty -219	Part Number	Description
X					D205-802-211	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
	X				D205-803-213	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
		X			D212-803-215	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
			X		D212-803-217	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
				X	D212-803-219	LEFT HAND PILOT IN COMMAND, EAGLE SINGLE
1	1				MS171539	PIN
		1	1	1	MS171599	PIN

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9728	SHEET 3 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.		LH PIC INSTALLATION	NTS
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